

Application No.: 10/762,891
Filed: January 21, 2004
AMENDMENT AND RESPONSE TO FIRST OFFICE ACTION

Amendments to the Claims

This listing of the claims will replace all prior versions and listings of claims in the application.

Listing of the Claims:

1. (Currently amended) A method of forwarding a call directed to a wireless device operational on a wireless network to a destination number comprising:

detecting the presence of the wireless device by a base unit, the base unit including a **destination number selection** switch having at least two settings;

determining the destination number to which the call will be forwarded;

creating a data message comprising a call forward instruction;

causing a communication between the wireless device and the wireless network wherein the data message is communicated to the wireless network; and

wherein the determining step is performed by the base unit scanning a memory location in the wireless device to retrieve the destination number based on the **destination number selection** switch setting.

2. (New) The method of claim 1 wherein, the data message is an SMS message, the method further comprising:

receiving the data message at an SMSC of the wireless network;

determining at the SMSC if the data message comprises a call forward request; and

forwarding the data message to a call forward server if the data message comprises a call forward request.

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3. (New) The method of claim 2 further comprising:

receiving the data message at the call forward server;

generating a call forward feature request at the call forward server based on the data message;

sending the call forward feature request to an SS7 network.

4. (New) A forwarding device for forwarding dialed calls intended for a wireless device in a wireless network to a destination number comprising:

a cradle for holding the wireless device; and

a contact for engaging the wireless device,

the forwarding device being configured to instruct the wireless device, via the contact, to create and transmit a data message to the wireless network, the data message including the destination number and instructions to forward calls for the wireless device to the destination number.

5. (New) The device of claim 4 further comprising a destination number selection switch.

6. (New) The device of claim 5 wherein, the destination number selection switch includes settings for directing which of a plurality of numbers stored in the wireless device is to be used as the destination number for the data message.

7. (New) The device of claim 6 wherein, the forwarding device is configured to instruct the wireless device to perform a scan of a wireless device memory for content corresponding to the setting of the destination number selection switch.

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8. (New) The device of claim 7 wherein, the scan is a text scan of the wireless device memory for a string associated with the setting of the destination number selection switch, the content being a destination number stored in a record of the wireless device memory along with the string.

9. (New) The device of claim 4 wherein the data message is an SMS message transmitted to an SMSC of the wireless network.

10. (New) A forwarding device for forwarding dialed calls intended for a wireless device in a wireless network to a destination number comprising a short range radio,

the forwarding device being configured to instruct the wireless device, via the short range radio, to create and transmit a data message to the wireless network, the data message including the destination number and instructions to forward calls for the wireless device to the destination number.

11. (New) The device of claim 10 further comprising a destination number selection switch.

12. (New) The device of claim 11 wherein, the destination number selection switch includes settings for directing which of a plurality of numbers stored in the wireless device is to be used as the destination number for the data message.

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13. (New) The device of claim 12 wherein, the forwarding device is configured to instruct the wireless device to perform a scan of a wireless device memory for content corresponding to the setting of the destination number selection switch.

14. (New) The device of claim 13 wherein, the scan is a text scan of the wireless device memory for a string associated with the setting of the destination number selection switch, the content being a destination number stored in a record of the wireless device memory along with the string.

15. (New) The device of claim 10 wherein the data message is an SMS message transmitted to an SMSC of the wireless network.

16. (New) A wireless device for use in a wireless network, the wireless device comprising:

- a processor;

- a memory comprising program instructions; and

- a contact for engaging a forwarding device,

- the program instructions making the processor operable to:

- receive a communication from the forwarding device via the contact;

- create a data message in response to the received communication; and

- transmit the data message to the wireless network in response to the received communication, the data message including a destination number and instructions to forward calls for the wireless device to the destination number.

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17. (New) The device of claim 16 wherein the processor is further operable to scan a phonebook memory of the wireless device to determine the destination number in response to the communication received from the forwarding device.

18. (New) The device of claim 17 wherein, the communication received from the forwarding device includes a setting of a destination number selection switch of the forwarding device and the processor is further operable to scan the phonebook memory for an entry that corresponds to the setting and to use a telephone number associated with the entry as the destination number.

19. (New) The device of claim 18 wherein, the processor is further operable to scan the phonebook memory for a default destination number if no entry corresponding to the setting is found.

20. (New) The device of claim 16 wherein the data message is an SMS message transmitted to an SMSC of the wireless network.

21. (New) A wireless device for use in a wireless network, the wireless device comprising:

a processor;

a memory comprising program instructions; and

a short range radio for communicating with a forwarding device,

the program instructions making the processor operable to:

receive a communication from the forwarding device via the short range radio;

create a data message in response to the received communication; and

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transmit the data message to the wireless network in response to the received communication, the data message including a destination number and instructions to forward calls for the wireless device to the destination number.

22. (New) The device of claim 21 wherein the processor is further operable to scan a phonebook memory of the wireless device to determine the destination number in response to the communication received from the forwarding device.

23. (New) The device of claim 22 wherein, the communication received from the forwarding device includes a setting of a destination number selection switch of the forwarding device and the processor is further operable to scan the phonebook memory for an entry that corresponds to the setting and to use a telephone number associated with the entry as the destination number.

24. (New) The device of claim 23 wherein, the processor is further operable to scan the phonebook memory for a default destination number if no entry corresponding to the setting is found.

25. (New) The device of claim 21 wherein the data message is an SMS message transmitted to an SMSC of the wireless network.

26. (New) A system for forwarding dialed calls intended for a wireless device in a wireless network to a destination number comprising:

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a call forward server configured to receive a data message, generate a call forward feature request based on a destination number and a wireless device identifier included in the data message, and to forward the call forward feature request to an SS7 network.

27. (New) The system of claim 26 further comprising an SMSC configured to receive the data message from the wireless device, the data message comprising an SMS message, the SMSC further configured to determine if the data message comprises a call forward request, and to transmit the data message to the call forward server upon determining that the data message comprises a call forward request.

28. (New) The system of claim 26 further comprising an STP connected to the SS7 network, the STP being configured to receive the call forward feature request, determine an HLR corresponding to the wireless device, and issue a directive to the HLR to implement the call forwarding feature request.

29. (New) The system of claim 28 further comprising an IP network to SS7 network gateway for receiving the call forward feature request from the call forward server and converting the call forward feature request to an SS7 format for transmission on the SS7 network.